

JC978 U.S. PTO
09/911619
07/25/01

XA-8024E

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

Tetsuo TANIGUCHI

Appln. No.:

Filed: Herewith

For: PROJECTION EXPOSURE APPARATUS AND METHOD

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patent
Washington, D.C. 20231

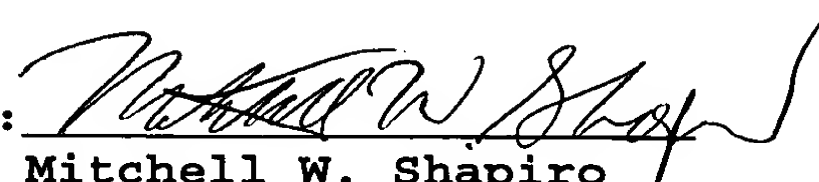
Sir:

Pursuant to 37 C.F.R. § 1.56, and without any assertion as to materiality or prior art effect, the documents listed on the attached Form PTO-1449 are hereby cited.

Applicant also wishes to make of record the documents cited in predecessor Application Nos. 09/185,101 filed November 3, 1998, 08/824,122 filed March 26, 1997, 08/582,019 filed January 22, 1996, 08/419,958 filed April 10, 1995 and 08/223,658 filed April 6, 1994, whether cited by Applicant or by the Patent Office.

Copies of Forms PTO-892 and PTO-1449 from the predecessor applications are enclosed.

Respectfully submitted,

By: 
Mitchell W. Shapiro
Reg. No. 31,568

MWS:lmb

Miles & Stockbridge P.C.
1751 Pinnacle Drive
Suite 500
McLean, Virginia 22102
(703) 903-9000

July 25, 2001

FORM PTO-1449

Atty Docket No.
XA-8024Serial No.
08/223,658

LIST OF DOCUMENTS CITED BY APPLICANTS

Applicant
Tetsuo TANIGUCHIFiling Date
April 6, 1994Group
2101

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Sub-class	Filing Date
AA	4,687,322	08/18/87	Tanimoto et al. ✓	355	55	
AB	4,666,273	05/19/87	Shimizu et al. ✓	353	101	
AC	4,780,747	10/25/88	Suzuki et al. ✓	355	68	
AD	4,650,983	03/17/87	Suwa ✓	250	204	
AE	4,558,949	12/17/85	Uehara et al. ✓	356	152	
AF	4,871,237	10/03/89	Anzai et al. ✓	350	419	
AG	4,920,505	04/24/90	Suzuki ✓	364	525	
AH	/ /	/ /				
AI	/ /	/ /				
AJ	/ /	/ /				

FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Sub-class	Trans-lation
AL	61-91662	05/09/86	Japan/Eng. Abstract			Yes No
AM	4-225514	08/14/92	Japan			Yes X No
AN	/ /	/ /				Yes No
AO	/ /	/ /				Yes No
AP	/ /	/ /				Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

AR

AS

AT

Examiner

Date Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

TO SEPARATE, HOLD TOP AND BOTTOM EDGES, SNAP-APART AND DISCARD CARBON

JC978 U.S. PTO
09/911619
07/25/01

FORM PTO-892
(REV. 2-92)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

SERIAL NO.

08/582,019

GROUP/UNIT

2105

ATTACHMENT
TO
PAPER
NUMBER

19

NOTICE OF REFERENCES CITED

APPLICANT(S)

Taniguchi, Tetsuo

U.S. PATENT DOCUMENTS

	DOCUMENT NO.	DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE
*A	5160962	11/92	Miura et al	355	53	
*B	5337097	8/94	Suzuki et al	355	53	
*C	5343270	8/94	Sakakibara et al	355	53	
D						
E						
F						
G						
H						
I						
J						
K						

FOREIGN PATENT DOCUMENTS

	DOCUMENT NO.	DATE	COUNTRY	NAME	CLASS	SUB-CLASS	PERTINENT SHTS. DWG.	PP. SPEC.
L								
M								
N								
O								
P								
Q								

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

R	
S	
T	
U	

EXAMINER

DATE

Fred S. Brown

12/20/96

* A copy of this reference is not being furnished with this office action.
(See Manual of Patent Examining Procedure, section 707.05 (a).)

TO SEPARATE, HOLD TOP AND BOTTOM EDGES, SNAP-APART AND DISCARD CARBON

JC978 U.S. PTO
09/911619
07/25/01

FORM PTO-892 (REV. 2-92)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		SERIAL NO.	GROUP ART UNIT	ATTACHMENT TO PAPER NUMBER			
NOTICE OF REFERENCES CITED				08/419,958	2105		8		
				APPLICANT(S) Taniguchi Tetsuo					
U.S. PATENT DOCUMENTS									
*		DOCUMENT NO.	DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE		
*	A	5160962	11/92	Miura et al	355	53	JC978 U.S. PTO 09/911619 07/25/01		
*	B	5337097	8/94	Suzuki et al	355	53			
*	C	5343270	8/94	Sakakibara et al	355	53			
	D								
	E								
	F								
	G								
	H								
	I								
	J								
	K								
FOREIGN PATENT DOCUMENTS									
*		DOCUMENT NO.	DATE	COUNTRY	NAME	CLASS	SUB-CLASS	PERTINENT SHTS. DWG.	PP. SPEC.
	L								
	M								
	N								
	O								
	P								
	Q								
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)									
	R								
	S								
	T								
	U								
EXAMINER		DATE							
Fred E. Brown		9/30/95							

* A copy of this reference is not being furnished with this office action
(See Manual of Patent Examining Procedure, section 702.06)

Notice of References Cited

Application No.
08/824,122

Applicant(s)

Taniguchi

Examiner

Daniel P. Malley

Group Art Unit

2101

Page 1 of 1

1c978 U.S. PTO
09/911619



U.S. PATENT DOCUMENTS

	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS
A	5,097,291	3/17/92	✓ Suzuki	355	69
B	5,291,240	3/1/94	✓ Jain	355	53
C	5,506,684	4/9/96	✓ Ota et al.	356	401
D					
E					
F					
G					
H					
I					
J					
K					
L					
M					

FOREIGN PATENT DOCUMENTS

	DOCUMENT NO.	DATE	COUNTRY	NAME	CLASS	SUBCLASS
N						
O						
P						
Q						
R						
S						
T						

NON-PATENT DOCUMENTS

	DOCUMENT (Including Author, Title, Source, and Pertinent Pages)	DATE
U		
V		
W		
X		

TO SEPARATE, HOLD TOP AND BOTTOM EDGES, SNAP-APART AND DISCARD CARBON

1c978 U.S. PTO
09/911619
07/25/01

FORM PTO-892
(REV. 2-92)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

SERIAL NO.

GROUPART UNIT

ATTACHMENT
TO
PAPER
NUMBER

NOTICE OF REFERENCES CITED

APPLICANT(S)

TANIGUCHI

U.S. PATENT DOCUMENTS

	DOCUMENT NO.	DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE
✓A	5337047	8-1994	SUZUKI ET AL.	353	101	
✓B	5160962	11 1992	MIURA ET AL.	355	53	
✓C	5343270	8-1994	SAKAKIBARA ET AL.	355	53	
D						
E						
F						
G						
H						
I						
J						
K						

FOREIGN PATENT DOCUMENTS

	DOCUMENT NO.	DATE	COUNTRY	NAME	CLASS	SUB-CLASS	PERTINENT SHTS. DWG.	PP. SPEC.
L								
M								
N								
O								
P								
Q								

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

R	
S	
T	
U	

EXAMINER
RICHARD A. WINTERCORN
PRIMARY EXAMINER

DATE

1/5/95

ART UNIT, 211

A copy of this reference is not being furnished with this office action.
(See Manual of Patent Examining Procedure, section 707.05 (a).)

Notice of References Cited

Application No.
09/185,101

Applicant(s)

Taniguchi

Examiner

Rodney Fuller

Group Art Unit
2851

Page 1 of 2

U.S. PATENT DOCUMENTS

*		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS
x	A	5,591,958	1/1997	Nishi, et al.	250	205
x	B	5,477,304	12/1995	Nishi	355	53
x	C	5,473,410	12/1995	Nishi	355	53
x	D	5,194,893	3/1993	Nishi	355	53
x	E	4,924,257	5/1990	Jain	355	53
x	F	4,822,975	4/1989	Torigoe	219	121.85
x	G	5,097,291	3/1992	Suzuki	355	69
x	H	5,291,240	3/1994	Jain	355	53
x	I	5,506,684	4/1996	Ota, et al.	356	401
x	J	5,160,962	11/1992	Miura, et al.	355	53
x	K	5,337,097	8/1994	Suzuki, et al.	355	53
x	L	5,343,270	8/1994	Sakakibara, et al.	355	53
x	M	4,687,322	8/1987	Tanimoto, et al.	355	55

FOREIGN PATENT DOCUMENTS

*		DOCUMENT NO.	DATE	COUNTRY	NAME	CLASS	SUBCLASS
	N						
	O						
	P						
	Q						
	R						
	S						
	T						

NON-PATENT DOCUMENTS

*		DOCUMENT (Including Author, Title, Source, and Pertinent Pages)	DATE
	U		
	V		
	W		
	X		

* A copy of this reference is not being furnished with this Office action.
(See Manual of Patent Examining Procedure, Section 707.05(a).)

PTO 09/185,101



Notice of References Cited

Application No.
09/185,101

Applicant(s)

Taniguchi

Examiner

Rodney Fuller

Group Art Unit

2851

Page 2 of 2

U.S. PATENT DOCUMENTS

* X		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS
	A	4,666,273	5/1987	Shimizu, et al.	353	101
	B	4,780,747	10/1988	Suzuki, et al.	355	68
	C	4,650,983	3/1987	Suwa	250	204
	D	4,558,949	12/1985	Uehara, et al.	356	152
	E	4,871,237	10/1989	Anzai, et al.	350	419
	F	4,920,505	4/1990	Suzuki	364	525
	G	5,227,839	7/1993	Allen	355	53
	H	4,884,101	11/1989	Tanimoto	355	68
	I	5,270,771	12/1993	Sato	355	53
	J	5,281,996	1/1994	Bruning, et al.	355	77
	K					
	L					
	M					

FOREIGN PATENT DOCUMENTS

* N		DOCUMENT NO.	DATE	COUNTRY	NAME	CLASS	SUBCLASS
	O						
	P						
	Q						
	R						
	S						
	T						

NON-PATENT DOCUMENTS

DOCUMENT (Including Author, Title, Source, and Pertinent Pages)

DATE

* U			
	V		
	W		
	X		

* A copy of this reference is not being furnished with this Office action.
(See Manual of Patent Examining Procedure, Section 707.05(a).)